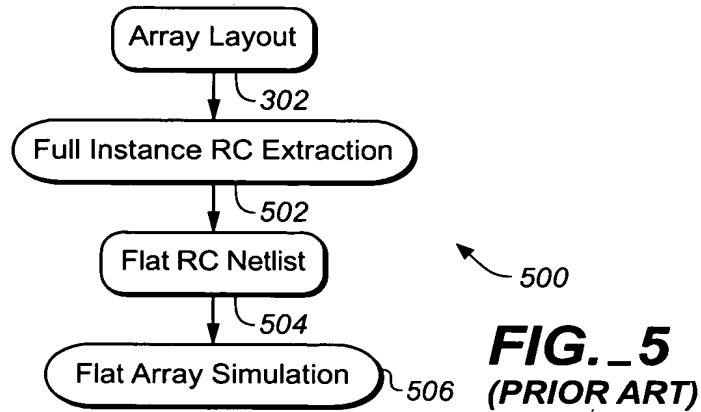
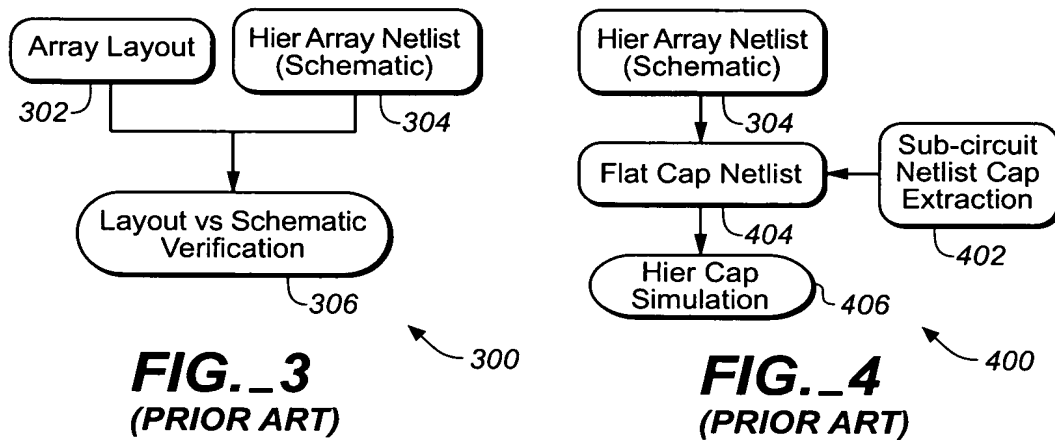
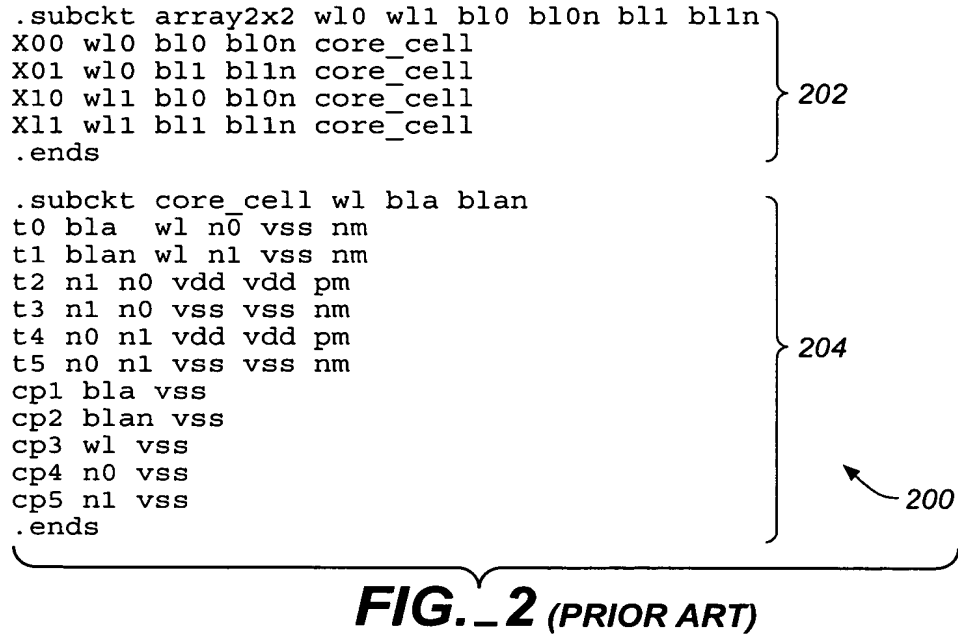


**FIG.\_1**  
(PRIOR ART)





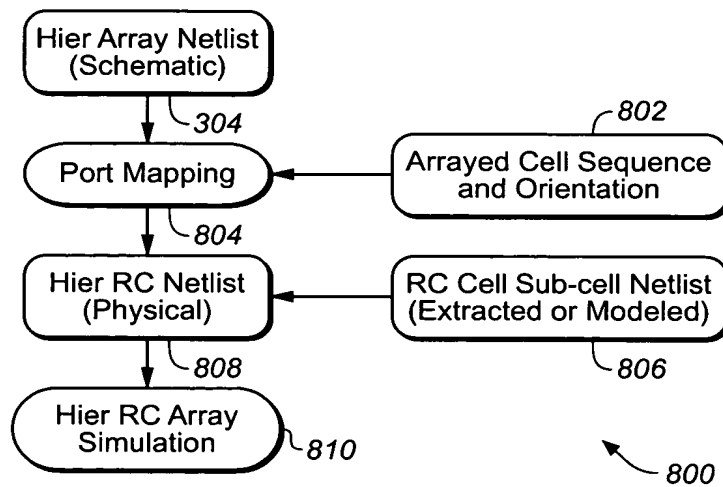
**FIG.\_6**  
**(PRIOR ART)**

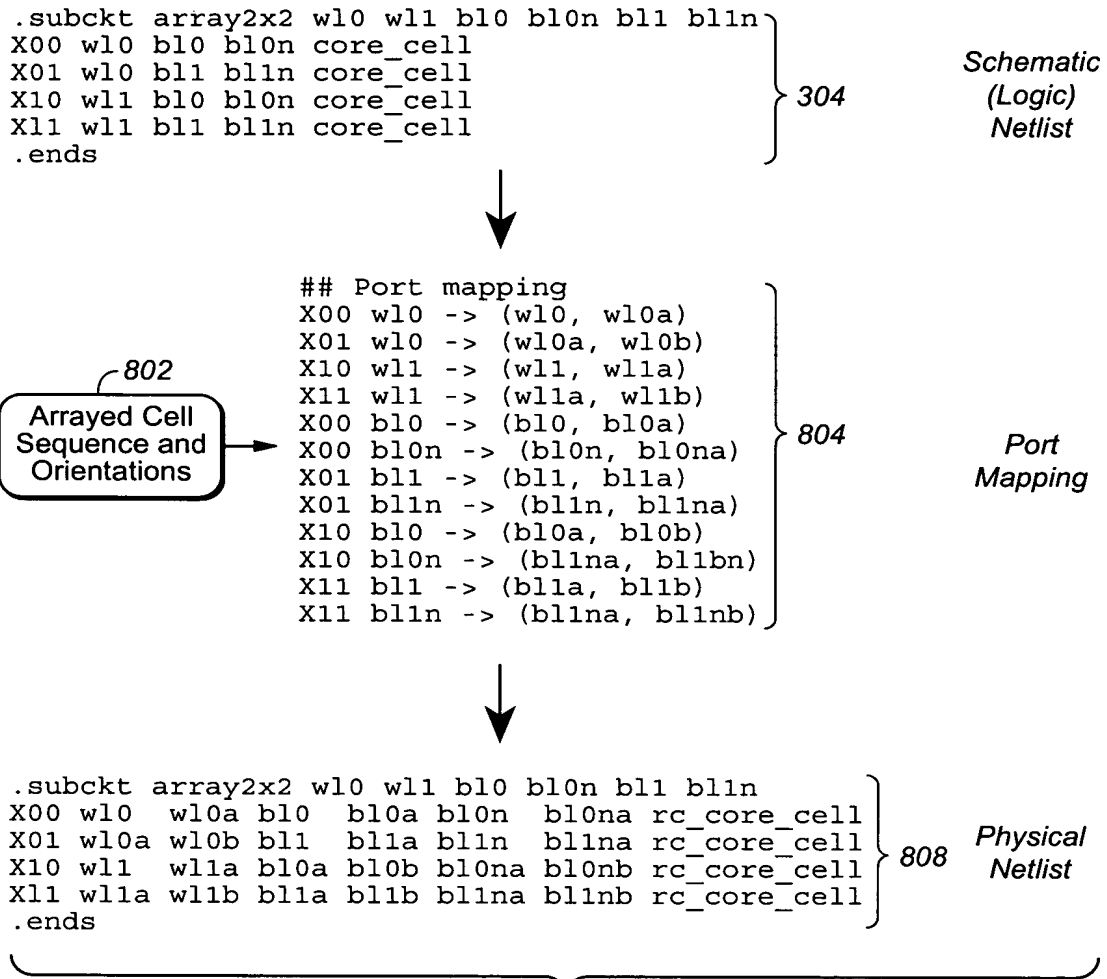
```

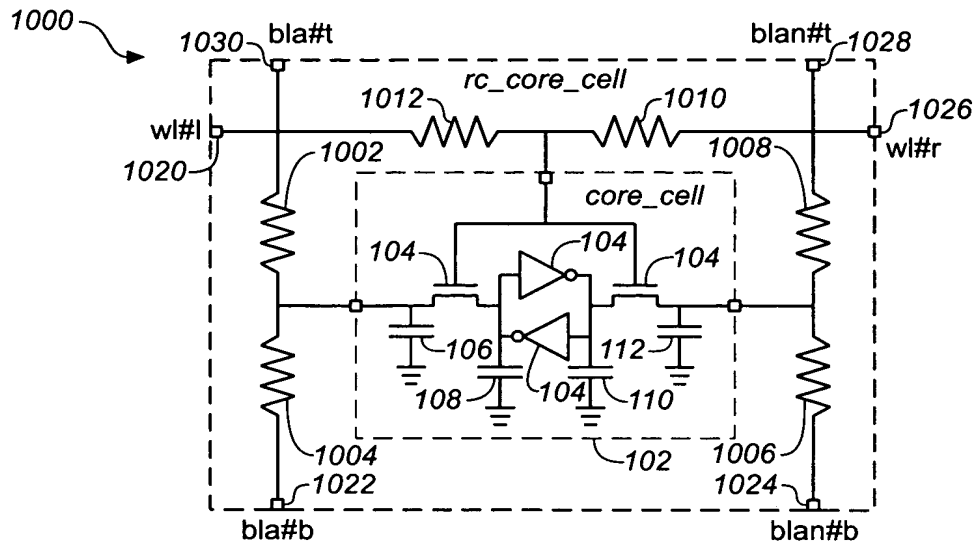
.subckt array2x2 w10 w11 b10 b10n b11 b11n
t00 n2 n1 n4 vss nm
t01 n3 n1 n5 vss nm
t02 n5 n4 vdd vdd pm
t03 n5 n4 vss vss nm
t04 n4 n5 vdd vdd pm
t05 n4 n5 vss vss nm
t06 n7 n6 n9 vss nm
t07 n8 n6 n10 vss nm
t08 n10 n9 vdd vdd pm
t09 n10 n9 vss vss nm
t10 n9 n10 vdd vdd pm
t11 n9 n10 vss vss nm
t12 n12 n11 n14 vss nm
t13 n13 n11 n15 vss nm
t14 n15 n14 vdd vdd pm
t15 n15 n14 vss vss nm
t16 n14 n15 vdd vdd pm
t17 n14 n15 vss vss nm
t18 n17 n16 n19 vss nm
t19 n18 n16 n20 vss nm
t20 n20 n19 vdd vdd pm
t21 n20 n19 vss vss nm
t22 n19 n20 vdd vdd pm
t23 n19 n20 vss vss nm
r00 w10 n1
c00 n1 vss
r01 n1 n11
c01 n11 vss
r02 w11 n6
c02 n6 vss
...
.ends

```

700

**FIG.\_7 (PRIOR ART)****FIG.\_8**



**FIG.\_10**

```

.subckt rc_core_cell wl#r wl#l bla#b bla#t blan#b blan#t
r1 wl#r wl
r2 wl#l wl
r3 bla#b bla
r4 bla#t bla
r5 blan#b blan
r6 blan#t blan
x1 wl bla blan core_cell
.ends

```

**FIG.\_11**

```

.subckt array2x2 wl0 wl1 bl0 bl0n bl1 bl1n
X00 wl0 wl0a bl0 bl0a bl0n bl0na rc_core_cell
X01 wl0a wl0b bl1 bl1a bl1n bl1na rc_core_cell
X10 wl1 wl1a bl0a bl0b bl0na bl0nb rc_core_cell
X11 wl1a wl1b bl1a bl1b bl1na bl1nb rc_core_cell
.ends

```

**FIG.\_13**

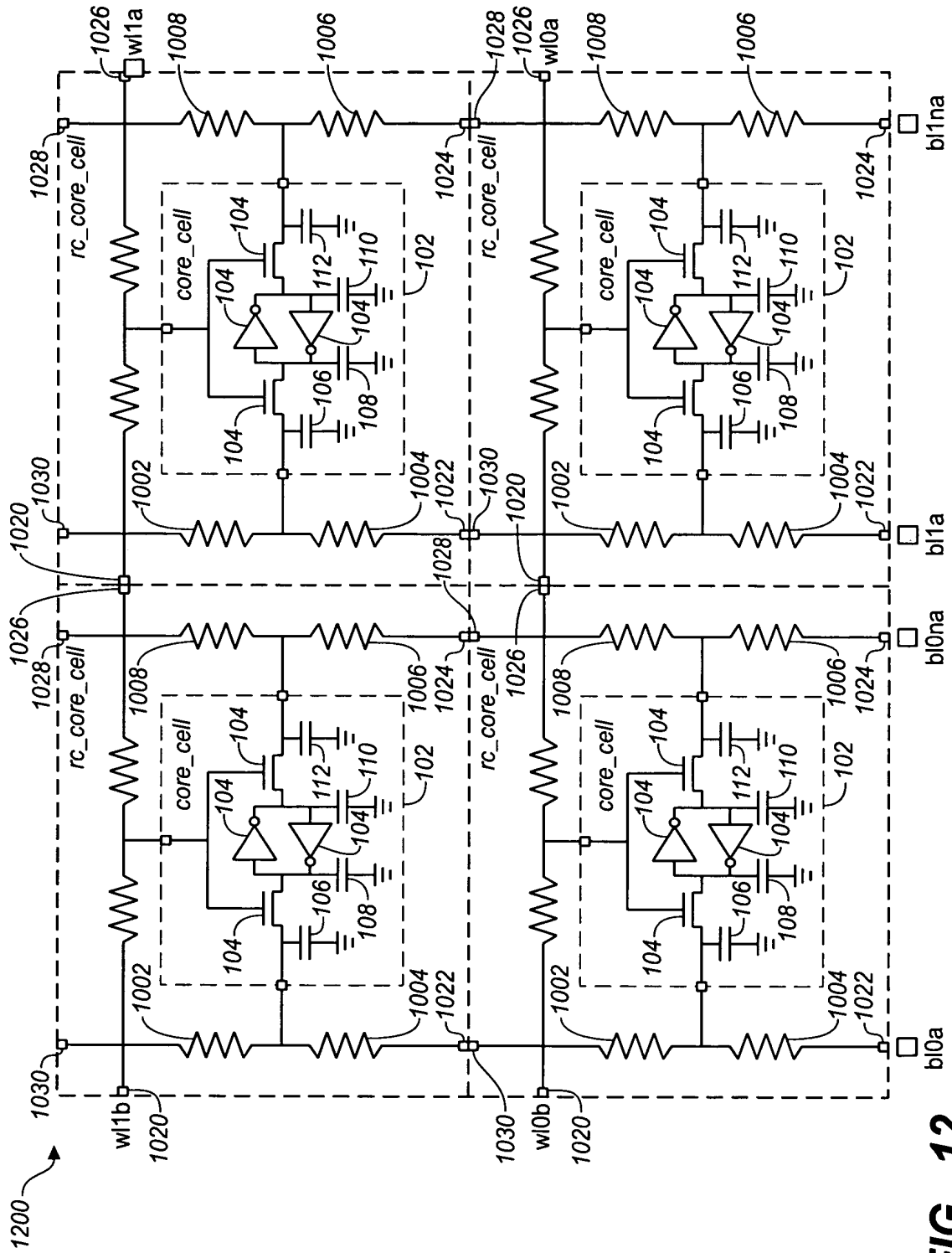


FIG. 12

